

2/19/10  
DIALOG(R) File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06838209     \*\*Image available\*\*  
LIP TYPE SEAL

PUB. NO.: 2001-065703 [JP 2001065703 A]  
PUBLISHED: March 16, 2001 (20010316)  
INVENTOR(s): HAYAKAWA NAOKI  
APPLICANT(s): EAGLE IND CO LTD  
APPL. NO.: 11-236386 [JP 99236386]  
FILED: August 24, 1999 (19990824)  
INTL CLASS: F16J-015/32

#### ABSTRACT

PROBLEM TO BE SOLVED: To secure an excellent sealing performance by keeping the proper bearing pressure of a seal lip of a synthetic resin seal member with respect to the outer circumferential surface of a rotating shaft .

SOLUTION: An outer ring 11 fixed in the inner circumference of a housing 1, an inner ring 12 fitly fixed in the inner circumference of a cylindrical part 111 of the outer ring 11, and a seal member 13 and an annular plate spring 14 in which outer diameter parts 131 and 141 are clamped each other in a closely contacted state between a flange part 112, 122 of the outer ring 11 and the inner ring 12 are provided. The seal member 13 has an almost L-shape cross section formed by a seal lip 132 which projects almost cylindrically in an axial direction in an inner circumference and the whole inner circumferential surface of which slidably contacts in a sealed state with the outer circumferential surface of a rotating shaft 2. A corner part 133 located at the boundary between the seal lip 132 and the outer diameter part 131 is made thin by the formation of a recessed groove 133a.

COPYRIGHT: (C) 2001, JPO

C:\Program Files\Dialog\DialogLink\Graphics\E.bmp

